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CONNECTED SOLUTIONS

CANDELABRA
LUMANDAR AS4-CRS

10 year Warranty*

DESIGNED AND MADE IN FRANCE

SECONDARY NETWORK SWITCH BOX

FOR CANDELABRA STAND INSTALLATION

PROGRAMMABLE BY SMARTPHONE

DESCRIPTION

Lumandar AS4-CRS is a Class II candelabra box, incorporating a programmable autonomous astronomical clock in Bluetooth secured by Android or iOS Smartphone, with power switching.

Its main application is the independent control of secondary networks.

The software offers consultation capabilities (ephemerides, lighting duration calculations, upcoming night instructions).

Access to programming can be secured by a PIN code.

FEATURES AND ADVANTAGES

- Single-phase switch control for secondary public lighting networks
- Compatible with astronomical and inter-twilight clock control devices present in the main network start cabinet
- Pre-wired box for installation in place of a Class II Candelabra Stand box
- Small size: int./mat: 110mm
- Connection suitable for distribution with 2 4G16mm² cables + 1 cable for local luminaire
- Switch power: 1KW (SHP/IM) or 3KW (all load types)
- Intuitive Smartphone programming via Lumandar AS4 application with:
  - 1 weekly daily program (1 cut-off/night)
  - 20 exceptional annual periods (2 cutoffs/night)
  - Automatic and configurable summer / wintertime change
  - Four-digit PIN code locking

POSSIBLE APPLICATIONS

- Control of public lighting secondary networks

*Warranty:
Clock housing: 10 years
Other equipment: 2 years

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DIAGRAMS

Figure 1: box diagram

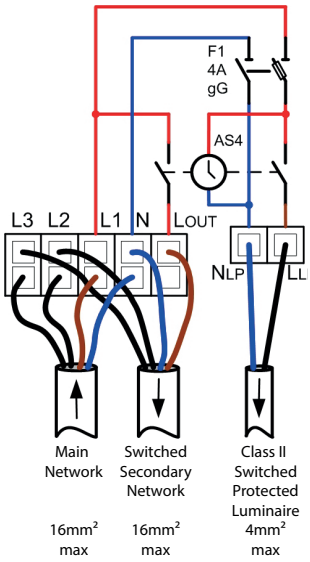

Figure 2: Secondary switch example

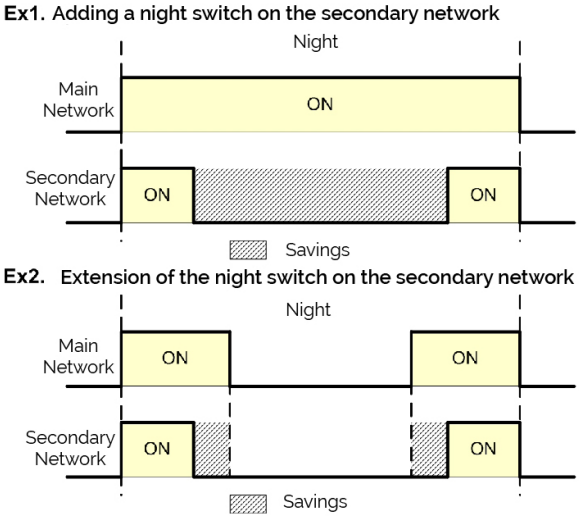

Figure 3: Connection example

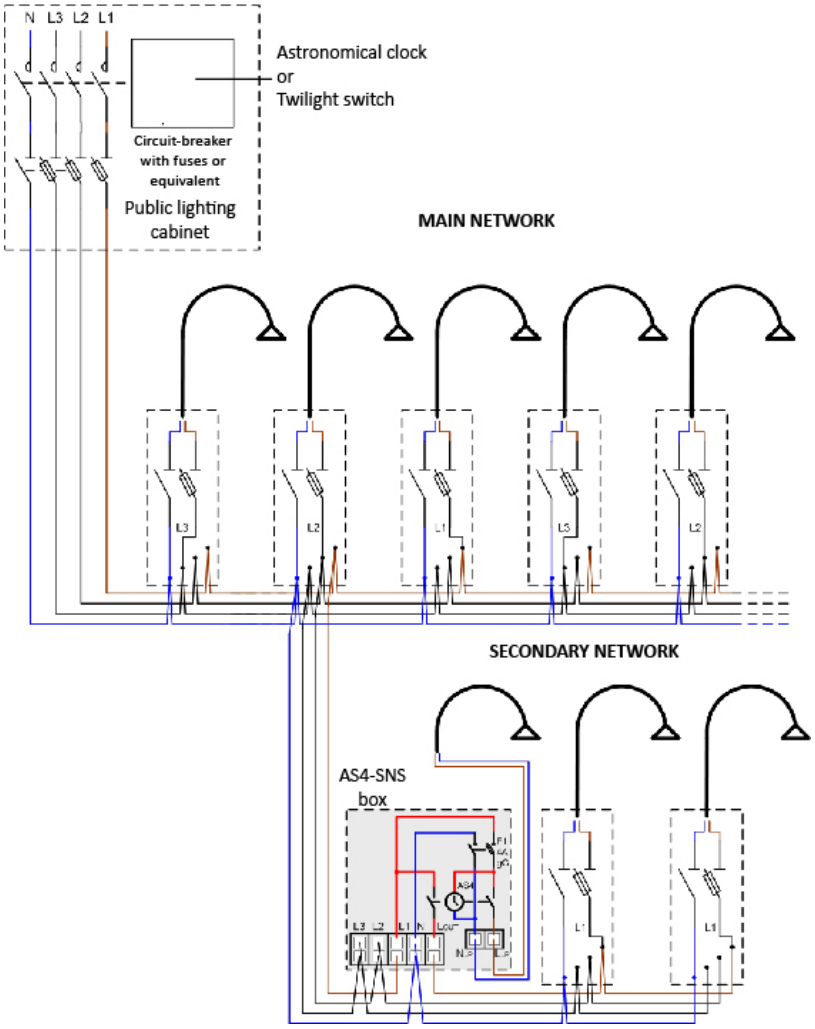

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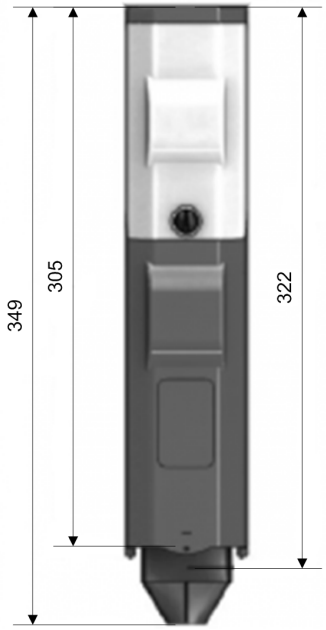
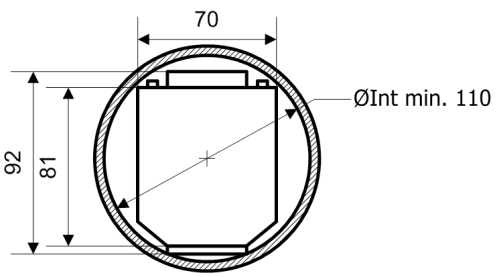
Figure 4: Switch power

Settings	FF-LCAS4CRS-C1M features	FF-LCAS4CRS-C3M features
Outputs	2 phase switching outputs	2 phase switching outputs
L LP / N LP : Local luminaire Incandescent or halogen lamp	**Max 6 A/250 Vac cos φ =1 / AC-1** Max 1500 W (F1 fuse to replace with 6A)	Max 6 A/250 Vac cos φ =1 / AC-1 Max 1500 W (F1 fuse to replace with 6A)
Balanced ferromagnetic ballast **discharge lamp**	**Max 300 W / 45 µF** Number of lamps: 3 x 70 W @12µF 3 x 100 W @12µF 2 x 150 W @ 20µF 1 x 250 W @ 32µF	**Max 300 W / 45 µF** Number of lamps: 3 x 70 W @12µF 3 x 100 W @12µF 2 x 150 W @ 20µF 1 x 250 W @ 32µF
Electronic ballast LED lamp	Typ 150W / Peak current max 80A@20ms	Typ. 150 W / Peak current max 80 A@20 ms
L OUT / N : Secondary network Incandescent or halogen lamp	Max 2000 W	Max 3000 W
Balanced ferromagnetic ballast **discharge lamp**	**Max 750 W / 100 µF** Number of lamps: 8 x 70 W @12µF 7 x 100 W @12µF 5 x 150 W @ 20µF 3 x 250 W @ 32µF	**Max 3000 W**
Electronic ballast LED lamp	Typ. 200 W / Peak current max 120 A	Max 3000 W

Figure 5: Box dimensions





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Technical Specifications

Settings:	Features:
Power supply	184-253 Vac / 50Hz
Consumption	1KW Version: 184 to 253Vac / 50Hz - typ. 3W or 13mA@230Vac 3KW Version: 184 to 253Vac / 50Hz - typ. 4.2W or 18mA@230Vac
Outputs	2 phase switching outputs Switching power: see figure 4
Operating temperature	-20 C to +50 C
Time stability	±2 mn/year typ.
Backup	Programs: Permanent (EEPROM) Date and time: 72 hours without power voltage Manual time setting with Lumandar AS4 app
Sealing/shock	IP44 / IK08
Communication	Bluetooth (mini 4.0)
Connection	2 4G16mm² cables max: Main network and switched secondary network 1 2x4 mm² cable max: Switched local luminaire
Mounting	Candelabra stand installation - int. min/ mat: 110mm
Weight	900 g
Conformity	Class II RoHS CE
Warranty	AS4 clock housing: 10 years / Other equipment: 2 years

COMETA reserves the right to modify the documentation at any time.

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